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State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Handwritten initials/signature

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INSPECTION REPORT

Partial: X Complete: Exploration:

Inspection Date & Time: October 14, 1993, 9:30 AM to 3:00 PM

Date of Last Inspection: September 14, 1993

Mine Name: Castle Gate County: Carbon Permit Number: ACT/007/004
Permittee and/or Operator's Name: AMAX Coal West
Business Address: 165 S. Union Blvd, Ste. 1000, P. O. Box 280219, Lakewood, CO 80228-0219
Type of Mining Activity: Underground X Surface Prep. Plant X Other
State Official(s): Paul Baker
Company Official(s): Richard Allison
Federal Official(s): None
Weather Conditions: Cloudy, Showers, 50's
Existing Acreage: Permitted- 7619 Disturbed- 170 Regraded- 6.5 Seeded- 6.5 Bonded- 134.5
Increased/Decreased: Permitted- 0 Disturbed- 0 Regraded- 0 Seeded- 0 Bonded- 0
Status: Exploration/ Active/ Inactive/ Temporary Cessation/ Bond Forfeiture
Reclamation ( X Phase I/ Phase II/ Final Bond Release/ 9 for Goose Island Liability Year)

REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

Instructions

- 1. Substantiate the elements on this inspection by checking the appropriate performance standard.
a. For complete inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check N/A.
b. For partial inspections check only the elements evaluated.
2. Document any noncompliance situation by referencing the NOV issued at the appropriate performance standard listed below.
3. Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
4. Provide a brief status report for all pending enforcement actions, permit conditions, Division Orders, and amendments.

Table with 5 columns: EVALUATED, N/A, COMMENTS, NOV/ENF. Rows 1-21 listing various permit conditions and their evaluation status.

## INSPECTION REPORT

(Continuation sheet)

PERMIT NUMBER: ACT/007/004

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DATE OF INSPECTION: October 14, 1993

(Comments are Numbered to Correspond with Topics Listed Above)

### 1. Permits, Change, Transfer, Renewal, Sale

An informal conference for review of violation N93-41-2-1 has not yet been scheduled. Violation N92-39-7-1 was terminated by Steve Demczak on October 13, 1993.

### 3. Topsoil

A preliminary analysis of soil samples taken last month in the area of the No. 4 Mine canyon has been received. It indicates that most nutrient levels are adequate but that some phosphate addition is needed. Analyses for potentially toxic conditions (boron, selenium, SAR) do not indicate any problems.

### 4. Hydrologic Balance

#### a. Diversions

A ditch which conveys undisturbed drainage around the disturbed area near pond 5 in Sowbelly Gulch had had some rocks and clumps of grass slide into it from the adjacent cut, and it appeared that someone had pushed some dirt into the ditch with a dozer. The result was that some water from undisturbed areas would enter pond 5, but there was no environmental degradation. The ditch was repaired during the inspection.

A crew was cleaning coal from the area of the unit train loadout near the preparation plant. To cross the bridge to the loadout, they had to breach the berm that keeps water from disturbed areas from entering the Price River. Mel Coonrod told me by telephone on October 15 that this berm had been rebuilt.

Near the north entrance to the preparation plant area, there was some work done on utility lines in July (see the July inspection report). At this location, there was water coming out of the ground on the outside of the berm. This water was probably from the utility line. The berm was probably saturated and did not appear to be stable, and a small portion of the road shoulder inside the berm had subsided a few inches. Mr. Coonrod was informed of this problem on October 15, and he said that he would tell Pacific Corp. about the water and do what was necessary to repair the berm.

#### b. Sediment Ponds and Impoundments

Pond 3 in Sowbelly Gulch has been removed as part of the reclamation grading. Pond 16, which will be in nearly the same location as pond 3, has not yet been constructed. Runoff from the regraded area has been collecting in the end of the new channel; any overflow would go to pond 4 or 5.

### 13. Revegetation

I copied labels from bags of the seed that is intended to be planted in Sowbelly Gulch and the No. 4 Mine canyon. There are a few discrepancies compared to the plan. For species list 1, two of the components of the mixture are not identified to species, and the seeds of these species are not distinguishable from closely-related species. I have discussed the problem with the seed dealer. He has assured me that the proper species were used and will provide verification of this.

The label also shows Kentucky bluegrass rather than big bluegrass as shown in the plan. The plan makes allowance for substituting species when one species is not available. Although big bluegrass is currently available, it was not available when the seed was being mixed. Big bluegrass is more drought tolerant than Kentucky bluegrass, but Kentucky bluegrass will be expected to grow in favorable sites in the canyons.

For species list 3, yarrow at 0.5 lbs. per acre was substituted for geranium at 2 lbs. per acre. Although I did not check on the availability of geranium seed, it is not common to find it commercially. Yarrow is an acceptable substitution.

### Copy of this Report:

Mailed to: Richard Allison (AMAX), Marcia Petta (OSM)

Given to: Joe Helfrich, Daron Haddock (DOGM)

Inspector's Signature:  Paul B. Baker #41 Date: October 22, 1993